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The Civil Engineer's Mega Bookmark:

4(9): Selection of useful web resources in following topics:

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Bridges on the Web - Facts and Images...

See the latest version of this list at <http://www.tenlinks.com/engineering/civil/bridges.htm>

[How Bridges Work](http://www.howstuffworks.com) (<http://www.howstuffworks.com>) [Broar - Så byggs de](#) (Utbildningsradion)

View hundreds of bridges via this excellent resource: **Structurae, the International Database and Gallery of Structures** http://www.structurae.de/Structures/TypeIndex/bridges_e.html

[Download Bridge Images](#) via **SUCCEED Engineering Visual Database** (by Virginia Tech) <http://www.ce.vt.edu/evd/> - "an online repository of images for use by engineering faculty and students. For each image, a brief description and thumbnail are provided. To view the full screen image click on the thumbnail. From the viewer you can save the image to your hard drive.

Bridge Engineering Homepage <http://www.scsolutions.com/bridge.html>

SC Solutions has created this home page as a service to the worldwide bridge engineering community...A very comprehensive and useful site with links to "Upcoming Events, Government Agencies, Universities & Research Institutions, Associations, Consulting Companies, Publications, Software, Exhibits, Bridge Management Systems, Other Links...

Another just as useful site is "The BridgeSite" <http://www.bridgesite.com/> for instance, choose among "Associations, Bridge Design Software, Book Store, Fun and Learning, Other Bridge-Related Sites and Magazines, Photo Galleries, Products and Manufacturers...A very useful resource is "BridgeTalk - Bridge Discussion Forum" to discuss bridge related issues with others around the world.

Steel Bridges in the World ... and other bridge statistics by the Swedish Institute of Steel Construction (SBI) <http://www.sbi.se/bridges.htm>

Scandinavian Bridges Websites: [HögaKustenbron](#) (HighCoastBridge), [Storebælt](#) (Great Belt) [Sunningeleden](#) & [Tranebergsbron](#) & [Øresundsbron](#) (The Øresund Bridge)

More about The Øresund via [Sundlink Contractors HB](#) and [The Øresund Exhibition Centre](#)



Läs tidningen [Sydsvenskans alla artiklar](#) se'n start om Öresundsbron inkl bilder 

Tall Buildings and Structures on the Web

See the latest version of this list at

Council on Tall Buildings and Urban Habitat <http://www.ctbuh.org/> studies and reports on all aspects of the planning, design, and construction of tall buildings. Also of a major concern is the role and impact of tall buildings on the urban environment. The Council is recognized world-wide as "The Source" for information on Tall Buildings" and maintain the **High Rise Buildings Database**

Structurae - International Database and Gallery of Structures <http://www.structurae.de> with information on bridges, dams, towers, skyscrapers and other engineered structures and their

designers. Extensive collection of links and printed reference material for each structure and more."...Outstanding resource and highly recommended!

The High-Rise Pages: Tall Over the World <http://www.xs4all.nl/~hnetten/> is an online high-rise archive with information and pictures of the tallest buildings, skyscrapers, tv-towers, bridges, churches, monuments and other tall structures from all over the world." "also containing 121 links to high-rises in 21 countries..."

Federation of High-Rise Websites "The largest group of skyscraper websites on the entire Internet" <http://www.xs4all.nl/~hnetten/fhwindex.html> is another valuable site, for instance, there is a valuable database with the easy-to-remember name: www.skyscrapers.com etc. etc.

The World's Tallest Buildings Page with the URL: <http://www.worldstallest.com/> is just as an extensive resource containing lots of links, photographs and information. Dedicated exclusively to buildings over 1000 feet (305m) in height."

Browse also through the "Skyscraper Web ring" a linking service for skyscraper sites...
<http://skyscraper.tripod.com/ring/index.html>


Not only skyscrapers are tall, there is also a comprehensive **Gallery of Old, New and Tall Towers** at this URL: <http://www.hsp.de/~wiegels/tuerme/towers.htm>

IT in Construction: resources and activities

CIB W78 - IT in Construction http://cic.vtt.fi/links/cib_w78.html
"CIB Working commission W78 Information Technology in Construction is a commission for everyone specialised on computer integrated construction and building product-process modelling"

Construction IT links <http://cic.vtt.fi/links/>
"All (!?) the links you'll need to find both research, projects, events, activities, experts etc. in IT construction (IT-Bygg) by this excellent index by Matti Hannus, VTT"


IT Research/Education/Publications <http://it.civil.auc.dk/>
"IT in the Building Process at Aalborg University, DK - by **Prof Per Christiansson**, former at KBS-Media, Lund university.


IT Bygg & Fastighet 2002 / IT Construction & Real Estate 2002 <http://www.itbof.com/> 
"IT Bygg&Fastighet 2002 är ett nationellt FoU-program för informationsteknologi i byggande och fastighetsförvaltning och en fortsättning på det nyligen avslutade IT-BYGG programmet."

BSAB 96: klassifikationssystem
AB Svensk Byggtjänst är huvudman för det system som i många år varit byggbranschens gemensamma system för klassificering av information i byggprocessen."

Intelligent/Smart Buildings : Read more about Intelligent Buildings: [MSc course](#) at The University of Reading, UK

Indoor and Outdoor Environment

Fuktgruppen vid Lunds universitet/ Moisture Group at Lund University 
<http://www.fuktgruppen.lth.se/> "bedriver grundläggande och tillämpad forskning samt utvecklings- och informationsarbete om fukt i material och byggnadsdelar, metoder för fuktdimensionering, fuktsäkra konstruktioner och fuktskador." Förutom lista över publikationer finns **datorprogram med manual att hämta hem kostnadsfritt: TorkaS** - Datorprogram för bedömning av betongs uttorkningstid. **RISK1** - Datorprogram för riskbedömning av kondensproblem i byggnadsdelar."

Bygg med klimatet! (SMHI) <http://www.smhi.se/sgn0104/mb/index.htm> 
"SMHI ger dig beslutsunderlag för att projektera, dimensionera och producera byggnader, konstruktioner och anläggningar optimalt med hänsyn till väder och vind."

Sjuka hus (Swedensite) <http://www.swedensite.com/sjukahus.html>
Under hösten - vintern -98/-99 har Swedensite haft debatt i detta ämne. Debattinläggen och en hel del information om byggnadsproblemen finns tills vidare kvar [på dessa sidor](#). Dessutom länkar vidare till de myndigheter och organisationer som har med sjuka hus att göra...

CREST, The Center for Renewable Energy and Sustainable Technology
<http://www.solstice.crest.org/> "Solstice is the online resource for information about renewable energy, efficiency, and sustainable development." <http://solstice.crest.org/services/index.shtml>
Solstice is also the home of websites for more than 50 other renewable energy organizations... Furthermore, an on-line, searchable database of more than 2500 energy efficiency and renewable energy annotated Web links: **GEM, the Global Energy Marketplace**, URL: <http://gem.crest.org/>

The EnviroVillage <http://www.envirovillage.com/> "The #1 Indoor Air Quality (IAQ) and Indoor Environment Resource on the Web! The site provides free newsletter, glossary of IEQ terms, complete on-line versions of IAQ manuals..." etc.

Green pages: The Global Directory for Environmental Technology <http://www.eco-web.com/>

"Your comprehensive guide to the full spectrum of environmental products & services, featuring 4'555 leading suppliers from 101 countries...A practical reference source for government departments, utility companies, engineering consultants, development agencies, importers and traders, educational institutes, non-governmental organisations and individuals engaged in environmental activities..."

International Society of Indoor Air Quality and Climate <http://www.isiaq.org/> "ISIAQ is an international, independent, multidisciplinary, scientific, non-profit organization whose purpose is to support the creation of healthy, comfortable and productivity-encouraging indoor environments..."Also including some Air Quality Related Links...


Oikos: Green Building Source <http://www.oikos.com/> is a World Wide Web site devoted to serving professionals whose work promotes sustainable design and construction..." Oikos is a greek word meaning house. Oikos serves as the root for two english words: ecology and economy." You'll find for instance articles, book store, database of 1,800 companies for green building products, Green Building Discussion Group....

Sci. Engr. Heat-Vent-AC FAQ <http://www.elitesoft.com/sci.hvac> "This is the World Wide Web FAQ (Frequently Asked Questions)for 'sci.engr.heat-vent-ac', the usenet newsgroup for the Heating, Ventilating, and Air Conditioning (HVAC) industry."

Sustainable Building Sources <http://www.greenbuilder.com/> "was created in 1993 to provide a one-stop online resource center for sustainability - specifically, green building, sustainable agriculture, and responsible planning. Some services of interest: Green Building Professionals Directory | Sustainable Building Sourcebook | Bookstore | Calendar | Discussion Areas etc. etc.

Browse by subject categories through this valuable starting point: **Environmental Sites on the Internet** <http://www.lib.kth.se/~lg/envsite.htm>

Cement and Concrete Related Sites

TorkaS 1.0 - Datorprogram för bedömning av betongs uttorkningstid (ladda hem gratis)  "Ett generellt datorprogram, TorkaS, har tagits fram som kan användas för beräkning av uttorkningstiden hos olika typer av betongbjälklag..." Arbetet har genomförts vid **Byggnadsmaterial och...**med samarbete och stöd från NCC och SBUF."

The Concrete Microscopy Library at University of Illinois <http://cee.ce.uiuc.edu/lange/micro/> "A comprehensive resource that can be widely used as an educational tool for interested in the microstructure of cement based materials. Field issues: Freeze-Thaw, Air entrainment, Alkali-silica reaction, Sulfate attack, Fracture, FRC..."

The Concrete Society <http://www.concrete.org.uk/>

" The Concrete Society is an information generator and provider, specialising in practical applications and developments in concrete for the benefit of our Members. The Society is a forum and meeting place for making valuable business, professional and social contacts." "

High Performance Concrete (HPC) <http://hpc.fhwa.dot.gov/> The web site is sponsored by FHWA as part of an effort to make HPC technology and information widely available. HPC offers performance and cost benefits in the construction and maintenance of concrete structures."

Nordic Concrete Federation <http://www.itn.is/ncr/> is a collaboration organization of the concrete associations in the five Nordic countries, Denmark, Finland, Iceland, Norway and Sweden." Very impressing website which includes all **publications in full text**. You can also **search through all the NCR publications** etc.

Self Compacting Concrete - SCC <http://scc.ce.luth.se/> "The main goal of the project is to develop a new vibration-free production system to lower the overall cost of in situ cast concrete construction..." Some of the Project Partners: NCC AB (coordinator) , Laboratoire Central des Ponts et Chaussées, Swedish Cement and Concrete Research Institute, LTU Luleå University etc.

WWW Pages for Concrete by The Shilstone Companies <http://www.shilstone.com/public/> Check CIV-LIST: the link collection, and the list of Concrete and Construction Associations...

Masonry, Brick and Stone Related Sites

European Masonry Data Bank (EMDB) <http://itc.fgg.uni-lj.si/emdb/> is hosted by the University of Ljubljana, Faculty of Civil Engineering and Geodesy. It's an on-line collaborative data base for the support and cooperation of masonry related research and testing activities."

Masonry Advisory Council Online <http://www.maconline.org/home.html> provides for instance Masonry Technical Library: A collection of several free technical articles including several drawings and details, Java-Enabled Masonry Structural Design Guide, and other guides etc.

Natural-stone.com <http://www.natural-stone.com/> "Your one-stop source for information about the stone industry." ...For instance you can find articles like "Stone History and Fact Guide" etc. and use the Industry Links- to related companies and associations etc. etc.


Select Stone; Building Stone <http://www.mcn.net/~jmills/build2.html> "is a quarry-direct supplier of masonry stone and landscape stone..." This site includes a wealth of beautiful pictures of a variety of


building stones..."

Steel, Plastics and Other Materials Related Sites

"The Swedish Institute of Steel Construction (SBI) <http://www.sbi.se/> is an information, research and development organisation for the use of constructional steel." SBI provides a lot of useful information about steel construction ; as **texts, pictures, statistics etc. etc.**

Steelynx <http://www.mlc.lib.mi.us/~stewarca/> "More than 6,000 Links to Steelmaking and Steel-Related Technologies!"

PaperNet <http://www.papernet.se/> "Plastnet är ett av Mentor onlines branschvisa nätverk och fungerar som ett elektroniskt torg för **papper- och cellulosaindustrin**" 

PlastNet <http://www.plastnet.se/> "Plastnet är ett av Mentor onlines branschvisa nätverk och fungerar som ett elektroniskt torg för **plast- och gummibranschen**." 

Composite Materials Handbook www.materials-sciences.com/CDROM/Screen.html
General Information for Polymer, Metal, and Ceramic Matrix Composites Areas"

Glass Online <http://www.glassonline.com/> "The Internet service for the world glass industry!"

Wood and Forestry Related Sites

SkogsSverige = ForestSweden = The Forest Portal on Internet http://www-forest.slu.se/default_eng.cfm

Steve Shook's Directory of Forest Products, Wood Science, and Marketing
<http://www.forestdirectory.com/>

WWW Virtual Library: Forestry by the Finnish Forest Research Institute METLA
<http://www.metla.fi/info/vlib/Forestry/>

Building & Construction in General


 **Aftonbladet Bostad** - förutom artiklar etc., inte minst ett hundratals bostadslänkar


 **Alcro, Beckers** och **Nordsjö Färg** samt **Kulturfärg** erbjuder massor av arbetsråd, produkter, tips, inköpslista och information...

Ask the Builder - supplies advice, tips, and resources related to every aspect of home improvement.


Building of a Custom Home - a photo feature following the construction of a custom home.
"Custom homes are built every day, but rarely do we get an opportunity to view the step-by-step process of home construction. Eager Web Page Design is taking pictures during the construction of a custom home in San Antonio, Texas from the vacant lot to the finished product. This is an in-depth, educational look at the process of constructing new homes and the hard work that is required. This slab construction began in early January 1999 and the house was completed in June 1999."

  **The Building Trade in Denmark** www.byggeri.dk and/or Norway www.ba-torget.no

 **Byggråd** av **Beijer Byggmaterial** erbjuder flera steg-för-steg anvisningar, i text och bild till det mesta; byta fönster, gjuta, mura, om golvvärme, kakel och klinkers för våtrum etc. och en detaljerad anvisning med bilder om att välja rätt spik och byggbeslagsguide etc. etc.

 **Do-it-yourself** "För dig som själv tycker om att fixa med din bostad. Här hittar du ett ständigt växande bibliotek med instruktioner från leverantörer som vill dela med sig av sin kunskap och sina idéer." Se även www.Friggeboden.nu - tidningen för hemmabyggare och [DN Hemguiden](http://www.DNHemguiden.se)....

How House Construction Works - How Stuff Works (<http://www.howstuffworks.com>)
From the site: Have you ever wondered how a house is built? What holds up the ceilings and the walls? What keeps the rain out? What parts go into making a house? How many different people are involved when a house goes up? If you would like to know the answers to questions like these, or if you have simply been curious to know all the steps that go into making a new home, then this edition of How Stuff Works will help you to understand exactly how houses work!"

 **Vem-gör-vad inom Fastighet Bygg Miljö** - Byggtorget's on-line katalog över institutioner och WWW-adresser inom fastighet, bygg, miljö och allmänt.

 **www.byggbranschen.com** "Sök företag och organisationer inom byggsektorn på internet..."

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